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JAN 16 2004

Attorney Docket No: 25669-013

TECH CENTER 1600/2900

APPLICANTS: Smith and Taubman

SERIAL NUMBER: 09/290,049

EXAMINER: Swartz, Rodney P.

FILING DATE: April 12, 1999

ART UNIT: 1645

FOR: SYNTHETIC PEPTIDE VACCINES FOR DENTAL CARIES

CLAIMS AS PENDING 1/9/04

1. – 20. (Cancelled)

21. (Amended) An immunogenic composition comprising at least one peptide which is an amino acid sequence subunit of glucosyltransferase of 15 - 21 amino acids in length comprising an amino acid sequence selected from the group consisting of: SEQ ID NO: 1; SEQ ID NO: 2; SEQ ID NO: 10; SEQ ID NO: 11; SEQ ID NO: 12; SEQ ID NO: 13; SEQ ID NO: 14; SEQ ID NO: 15; SEQ ID NO: 16; SEQ ID NO: 17; SEQ ID NO: 18; and SEQ ID NO: 19.

22. (Original) An immunogenic composition comprising at least one peptide consisting essentially of SEQ ID NO: 3.

23. (Amended) The immunogenic composition according to Claim 21 wherein 2 or more peptides are present and arranged on a core matrix of 3 or more lysines.

24. (Cancelled)

25. (Amended) An immunogenic composition comprising at least two peptides covalently attached to a peptidyl core matrix, wherein each peptide is an amino acid sequence subunit of glucosyltransferase of 15 - 21 amino acids in length comprising an amino acid sequence selected from the group consisting of: SEQ ID NO: 1; SEQ ID NO: 2; SEQ ID NO: 10; SEQ ID NO: 11; SEQ ID NO: 12; SEQ ID NO: 13; SEQ ID NO: 14;